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9 September 1968

Mr. Russell Ash
President's Foreign Intelligence
Advisory Board
Room 297
Executive Office Building

Dear Russ:

You relayed to John Bross recently General Taylor's request for additional information on the Soviet mobile missile, described in the 28 August issue of the CIB.

Attached is a memorandum giving information on this system (Scrooge) as well as notes on Scaleboard and Scamp.

Sincerely,

(Signed) Thomas A. Parrott
Thomas A. Parrott

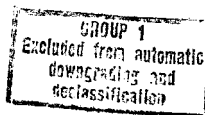
Attachment



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TOP SECRET**The SCROOGE Mobile Missile System**

The mobile transporter-erector-launcher (TEL) for the SCROOGE mobile missile system has been displayed in Soviet military parades since November 1965. [REDACTED]

[REDACTED]

The Soviets also have displayed the SCAMP and SCALEBOARD mobile missile systems. We believe that the SCAMP is the 1,500 nautical mile SS-14 MRBM [REDACTED] It is a solid-propellant missile consisting of the second and third stages of the SS-13 ICBM. The SCALEBOARD apparently has no relationship to the SCROOGE but probably is the SS-12; a 500 nautical mile, single-stage, liquid-propellant missile.

We have estimated from the size of the TEL that the SCROOGE is an IRBM by U. S. terminology. The Soviets themselves have said that it is a solid propellant missile with a range greater than 5,000 km (2,700 nautical miles). In light of past experience with the SS-14 and SS-13, we expect the SCROOGE also to employ a modular concept, possibly consisting of the first and third stages of the SS-13. Our estimate of SCROOGE characteristics based on this combination is as follows:

IOC	1970-1971
Maximum Range (n. m.)	3,000-3,500
Re-entry Vehicle Weight (lbs.)	about 1,000
Warhead Weight (lbs.)	about 750
CEP (n. m.)	about 0.75
Guidance	Inertial
Propellant	Solid
Configuration	Two-stage
Gross Lift-off Weight (lbs.)	about 80,000

[REDACTED]

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